



## Internship: Signal Processing Engineer for Space Missions

### About us



Zaitra, established in 2020, is a startup with a primary emphasis on delivering tailored flight software and cutting-edge AI solutions for space missions. Our endeavours encompass projects for both the European Space Agency and commercial customers.

### What will be your role?




You will participate in the development of our new product focusing on radio satellite communication. Your tasks will include:

- Design, implementation, testing methods for signal processing and classification
- Optimizing signal processing algorithms and machine learning models for efficient execution on resource-constrained hardware

### What do we expect?

- Technical proficiency in signal processing, preferably with a focus on 1D/2D signals
- Python programming skills 
- Familiarity with Git, including conflict resolution, rebasing, and writing informative commit messages
- Previous experience in Python programming, either through personal projects or academic coursework
- Passion for space exploration 

### What do we offer?

- Remote work (preferably with at least 3 days a week in our office) 
- Flexible working hours 
- Modern offices near the center of Brno 
- Direct impact on the development and direction of our products for space missions
- Involvement in the development of solutions to be deployed in Earth's orbit and beyond

### What is nice to have?

- Experience with machine learning techniques, particularly in the context of signal processing

If you are interested please drop us an email with your CV and short cover letter at [jobs@zaitra.io](mailto:jobs@zaitra.io). After that, we will arrange a meeting where you'll learn more about us and we'll learn more about you.

Where? Brno

Type? DPP (about 50 hours per month)

Contact: [jobs@zaitra.io](mailto:jobs@zaitra.io)